

Work Order ID 138961

138961

Page 1

Friday, November 13, 2015 11:37:01 AM

Item ID: D3456-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Washer
Start Date: 11/11/2015 Start Qty: 25.00 ***25*** Cust Item ID:
Required Date: 11/16/2015 Req'd Qty: 25.00 ***25*** Customer:
Reference:

Approvals: Process Plan: ML3 Date: NOV 17 2015 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3456	Rev A								

100 PURCHASING 0.00
100
Purchasing Memo 0.00
Purchasing Issue P/O: 30482 P/N: 91525A120 per Dwg D3456Possible
Supplier: McMaster-CarrMaterial release note is required
CL NOV 17 2015 25

110 Receive & Inspect for Damage & Mat'l Certs 0.00
110
Packaging Memo 0.01
Packaging Ensure Material Release Note is attached
25x 8015-11-19

120 QC6- Inspect dimensions to drawing 0.00
120
QC Memo 0.00
Quality Control
(25) NOV 20 2015
DAS
38
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
Root Cause				FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Work Order ID 138961***138961***

Page 2

Friday, November 13, 2015 11:37:01 AM

Item ID: D3456-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Washer

Start Date: 11/11/2015 Start Qty: 25.00

25

Cust Item ID:

Required Date: 11/16/2015 Req'd Qty: 25.00

25

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: S1038A 0.00***130***

Packaging

Memo

0.00

Packaging

25 MLJ 15-11-20

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.04

Quality Control

MLJ NOV 20 2015SH 0151120

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Friday, November 13, 2015 11:37:00 AM

Page 1

Work Order ID: 138961

138961

Parent Item: D3456-1

D3456-1

Parent Item Name: Washer

Start Date: 11/11/2015

Required Date: 11/16/2015

Start Qty: 25.00

Required Qty: 25.00

Comments: IPP A05.10.03New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
91525A120		Purchased		No		100	Each	0.0000	1	25			
91525A120									**				
washer													

25x 8p 15-11-19.

DQA: _____ Date: _____

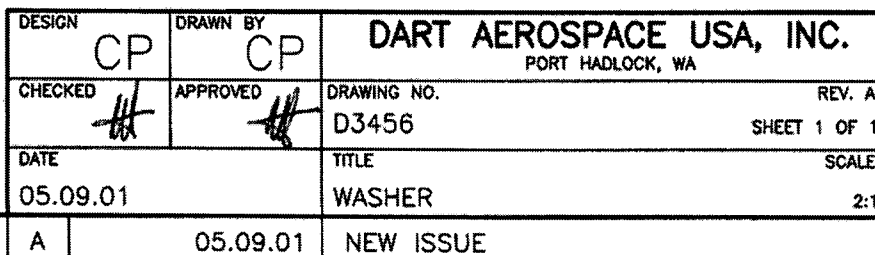


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

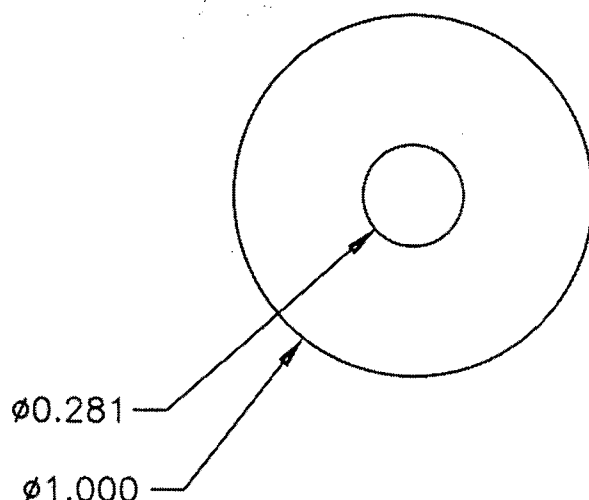
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																							
Misidentified ☐	Past Due ☐																								



RELEASED
05-09-06

SPECIFICATION CONTROL DRAWING



D3456-1 WASHER

- 1) MATERIAL: 316 STAINLESS STEEL, 0.050" THICK
- 2) MAY PURCHASE McMaster-CARR P/N 91525A120
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

13896/MUS
15-11-17

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SPACE

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER**Purchase Order ID PO30482****Purchase Order Date** 11/17/2015**PO Print Date** 11/17/2015**Page Number** 2 of 6**Order From :**

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name**Vendor Phone**

330 995 5500

Ship To Contact**Ship To Phone****Ship Via:**

Purolator ground ppd

Ship Acct:**Buyer**

Chantal Lavoie

Customer POID**Customer Tax #**

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Total:**\$22.56**

91525A120

washer

11/19/2015

25.00

\$0.27

\$6.66 ✓

Yes

Each

11/19/2015

AS PER DWG D3456 REV. A
B138961

SP15-11-19

Line Total:**\$6.66**

5 71725-45

91578A119 ANCHOR
FOR CONCRETE7"

11/19/2015

25.00

\$1.17

\$29.25 ✓

Yes

Each

11/19/2015

Line Total:**\$29.25****Deliver To:** CARL

6 71400-30

11675A41 TRACKS

11/19/2015

5.00

\$21.56

\$107.80 ✓

Yes

Each

11/19/2015

Note:

11/17/2015



Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO30482
Order Placed By
Chantal Lavoie

Page 1 of 2
11/17/2015

McMaster-Carr Number
3520588-01

Line	Product	Ordered	Shipped
1	92198A672 18-8 Stainless Steel Hex Head Cap Screw, 7/16"-14 Thread, 5" Long, Packs of 1	30 Packs	30
2	95606A170 Nylon Flat Washer, 7/16" Screw Size, 0.500" ID, 0.688" OD, Off-White, Packs of 100	1 Pack	1
3	6718K52 Stainless Steel Industrial-Shape Hose Coupling, Plug, 1/4" NPTF Female, 1/4 Coupling Size	4 Each	4
4	91525A120 Type 316 Stainless Steel Flat Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1.000" OD, Packs of 25	1 Pack	1
5	91578A119 Zinc-Plated Steel Stud Anchor for Concrete, 1/2" Diameter, 7" Length	25 Each	25
6	11675A41 Under-Mount Drawer Slide, 12" Closed Length	5 Pairs	5
7	4125A186 Band Saw Blade for Straight Cuts, 1/2" Wide, 140" Long, 14 Teeth Per Inch	5 Each	5
8	6679T51 Standard Shop-Vac Bag for 10, 12, 14 Gallon, #90662, Packs of 3	3 Packs	3
9	6536K61 Industrial-Shape Hose Coupling, Sleeve-Lok Socket, Zinc-Plated, for 1/4" Hose ID, 3/8 Coupling	2 Each	2
10	4429K152 Low-Pressure Brass Threaded Pipe Fitting, 3/8 Pipe Size, 90 Degree Female X Male Elbow	2 Each	2
11	4429K412 Low-Pressure Brass Threaded Pipe Fitting, 3/8 Male X 1/4 Female Pipe Size, Hex Reducing Bushing	4 Each	4
12	4429K162 Low-Pressure Brass Threaded Pipe Fitting, 3/8 Pipe Size, 90 Degree Elbow	2 Each	2
13	31195K11 Standard Hand-Held Abrasive Blaster, with Ceramic Nozzle, 60-100 PSI Air Pressure	1 Each	1
14	4429K226 Low-Pressure Brass Threaded Pipe Fitting, 1/2 X 1/4 X 1/2 Pipe Size, Inline Reducing Tee	1 Each	1
15	3845K1 Liquid-Filled Gauge, Plastic Case, 2-1/2" Dial, 1/4 Bottom, 60 PSI	1 Each	1
16	5482K18 Precision AN 37 Degree Flared Tube Fitting, 304 Stainless Steel Adapter for 1/2" Tube OD X 1/2 Anpt Male	1 Each	1

8015-11-19

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO30482

Order Placed By
Chantal Lavoie

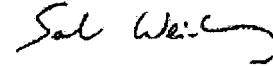
McMaster-Carr Number
3520588-01

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11/17/2015

Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.



Sarah Weinberg
Compliance Manager

SP15-11-19

McMaster-Carr Supply Company
 200 Aurora Industrial Pkwy
 Aurora, OH 44202-8087 USA
 Phone: 330-995-5500 Fax: 330-995-9600
 E-Mail: cle.sales@mcmaster.com
 Employer Identification Number (EIN): 36-1458720

Invoice: 43732956
 Purchase Order: PO30482
 Release:
 McMaster-Carr Number: 3520588-01

ORIGINAL COMMERCIAL
INVOICE
 CERTIFICATE OF ORIGIN

Ultimate Destination:
 Dart Aerospace Ltd
 1270 Aberdeen St
 Hawkesbury ON K6A 1K7
 Canada

Shipped: 17-Nov-2015 FOB: ORIGIN
 Shipper's Export Declaration (SED):
 NO EEI 30.36

Intermediate Consignee:

Bill To:
 Dart Aerospace Ltd
 1270 Aberdeen St
 Hawkesbury ON K6A 1K7
 Canada

Tax Number:

Forwarding Agent:

Billing
 Attention:
 Shipping
 Attention:
 Contact:

Line	Description	Qty & Unit	Unit Price	Extension
1	92198A672 18-8 Stainless Steel Hex Head Cap Screw, 7/16"-14 Thread, 5" Long, Packs of 1 Country of Origin: Taiwan Schedule B #: 731815 ECCN #: EAR99 NLR	30 PK	\$1.83	\$54.90
2	95606A170 Nylon Flat Washer, 7/16" Screw Size, 0.500" ID, 0.688" OD, Off-White, Packs of 100 Country of Origin: United States Schedule B #: 392690 ECCN #: EAR99 NLR	1 PK	\$8.60	\$8.60
3	6718K52 Stainless Steel Industrial-Shape Hose-Coupling, Plug, 1/4" NPTF Female, 1/4 Coupling Size Country of Origin: United States Schedule B #: 848190 ECCN #: 2B999 NLR	4 EA	\$5.64	\$22.56
4	91525A120 Type 316 Stainless Steel Flat Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1.000" OD, Packs of 25 Country of Origin: Taiwan Schedule B #: 731822 ECCN #: EAR99 NLR	1 PK	\$6.66	\$6.66
5	91578A119 Zinc-Plated Steel Stud Anchor for Concrete, 1/2" Diameter, 7" Length Country of Origin: Peoples Republic of China Schedule B #: 731815 ECCN #: EAR99 NLR	25 EA	\$1.17	\$29.25
Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department. These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.				

Shipping Weight (in kgs): 18

Number of Packages: 1

Package Dimensions:

64 X 33 X 34 CM = .071 CUBIC M

Invoice Amounts:

Merchandise Amount: \$548.25
 Canadian GST/HST: \$74.04
 Shipping Charges: \$21.31
 Total (In USD): \$643.60

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Remit payment to:

(by wire transfer)

(by mail)

McMaster-Carr Supply Company
 PO Box 7690
 Chicago, IL 60680-7690 USA

Bank of America Illinois
 231 S LaSalle
 Chicago, IL 60697
 ABA 071000039 Account 86666-02021
 SWIFT BOFAUS3N

Authorized Signature:

Date:

17-Nov-2015

Name: Sarah Weinberg

Title: Operations Mgr.